

Mathematics Framework for California Public Schools

Kindergarten Through Grade Twelve

The California Department of Education is pleased to announce the publication of the 2006 *Mathematics Framework for California Public Schools, Kindergarten Through Grade Twelve*. Based on the mathematics content standards adopted by the State Board of Education in 1997, the framework provides guidance for implementing curricula, selecting instructional materials, using good instructional practices, helping *all* students meet the standards, understanding assessment, and providing staff development.

An effective mathematics program includes high-quality instructional materials. The framework recognizes that districts need a variety of mathematics instructional materials to meet the needs of all students and calls for three types of programs for students in kindergarten through grade eight: *basic grade level* (kindergarten through grade eight), *intervention* (grades four through seven), and *algebra readiness* (grade eight or above).

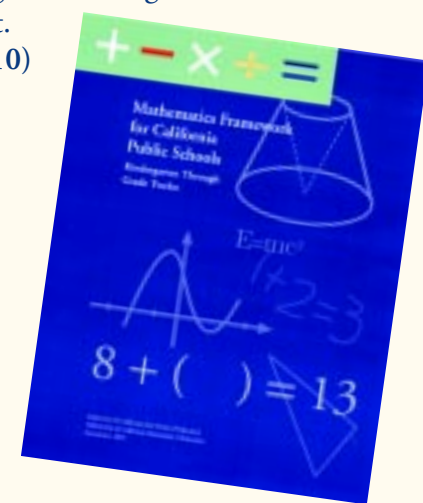
Basic grade level programs include materials aligned to the grade-level standards and are intended for students who are at or near grade level. *Intervention* programs require alignment to selected standards and are designed for students who are below grade level. *Algebra readiness* programs target selected standards and develop skills and

concepts students need before they are ready for Algebra I at grade eight. The framework continues to support the goal that all students be prepared to study Algebra I in eighth grade; however, it also reinforces the importance of not enrolling eighth grade students in an Algebra I course if they are not prepared to complete the course. Appendix E of the framework describes in detail the content of these two new types of specialized instructional mathematics materials.

The framework:

- Describes the guiding principles and key components of an effective mathematics program (**Chapter 1**)
- Presents the essential skills and knowledge expected of students in mathematics, as described in the *Mathematics Content Standards for California Public Schools*, illustrated by sample problems (**Chapter 2**)
- Describes special considerations and emphases for each grade level to ensure student success consistent with the mathematics standards and statewide testing program (**Chapter 3**)
- Provides guidance, based on current research, regarding instructional strategies and sample lessons that can be effective in ensuring that every child will meet or exceed grade-level standards in mathematics (**Chapter 4**)

- Guides the development of appropriate assessment methods (**Chapter 5**)
- Suggests specific strategies to ensure access to appropriately challenging curriculum for special needs students (**Chapter 6**)
- Describes the responsibilities that all stakeholders must uphold for effective implementation of a rigorous and coherent kindergarten through grade twelve mathematics curriculum (**Chapter 7**)
- Suggests guidelines for both preservice teacher preparation and in-service professional development (**Chapter 8**)
- Provides guidance on the use of technology in mathematics instruction (**Chapter 9**)
- Specifies the criteria for evaluating mathematics instructional materials for kindergarten through grade eight. (**Chapter 10**)



Order Form

BUSINESS HOURS: 8:00 a.m.—4:30 p.m., PST

To order call: 1-800-995-4099

MONDAY THROUGH FRIDAY • FAX 916-323-0823

FROM:

SCHOOL/DISTRICT (if applicable)

☐ PUBLIC

☐ PRIVATE

NAME/ATTENTION

ADDRESS

CITY

STATE

ZIP CODE

COUNTY

DAYTIME TELEPHONE

E-MAIL ADDRESS

PAYMENT METHOD:

- ☐ CHECK (Payable to California
Department of Education)
- ☐ VISA
- ☐ MASTERCARD
- ☐ PURCHASE ORDER



NAME ON CARD

CREDIT CARD NUMBER

EXPIRATION DATE

AUTHORIZED SIGNATURE

Item No.	Title	Quantity	Price each	Total
001611	Mathematics Framework for California Public Schools, Kindergarten Through Grade Twelve (2006)		\$19.95	\$

Mail completed order form to:

California Department of Education
CDE Press Sales Office
1430 N Street, Suite 3207
Sacramento, CA 95814-5901

SUBTOTAL

\$

California residents add county sales tax.

\$

Shipping and handling charges
(See chart below.)

\$

TOTAL

\$

Or fax completed order form to: 916-323-0823

Visit our Web site: <http://www.cde.ca.gov/re/pn/rc>

- ☐ Please send me a free copy of the current
Educational Resources Catalog.

Note: Mail orders must be accompanied by a check, a purchase order, or a VISA or MasterCard credit card number, including expiration date and your signature. Purchase orders without checks are accepted from educational institutions, businesses, and governmental agencies. Purchase orders and credit card orders may be placed by FAX at 916-323-0823. Telephone orders will be accepted toll-free (1-800-995-4099) for credit card purchases. Please do not send cash. Stated prices are subject to change. Please order carefully; include correct item number and quantity for each publication ordered. *All sales are final.*

Number of items	Shipping and Handling Charges
1	\$5.95
2–50	\$4.95 per order plus \$1.00 per item
51+	Call 1-800-995-4099 for discounted rate

PRICES AND AVAILABILITY OF PUBLICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

F05-033 PD060158-660 8-06 10M

